

# Salem District FY00 Annual Program Summary **APPENDICES**

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## **Glossary**

**AMA - Adaptive Management Area** - The Salem District's Northern Coast AMA is managed to restore and maintain late-successional forest habitat while developing and testing new management approaches to achieve the desired economic and other social objectives.

**Allowable Sale Quantity (ASQ)** - An estimate of annual average timber sale volume likely to be achieved from lands allocated to planned, sustainable harvest.

**Anadromous Fish** - Fish that are hatched and reared in freshwater, move to the ocean to grow and mature, and return to freshwater to reproduce. Salmon, steelhead, and shad are examples.

**Archaeological Site** - A geographic locale that contains the material remains of prehistoric and/or historic human activity.

**Area of Critical Environmental Concern (ACEC)** - An area of BLM administered lands where special management attention is needed to protect and prevent irreparable damage to important historic, cultural or scenic values, fish and wildlife resources, or other natural systems or processes; or to protect life and provide safety from natural hazards.

**Best Management Practices (BMP)** - Methods, measures, or practices designed to prevent or reduce water pollution. Not limited to structural and nonstructural controls and procedures for operations and maintenance. Usually, BMPs are applied as a system of practices rather than a single practice.

**Biological Diversity** - The variety of life and its processes, including a complexity of species, communities, gene pools, and ecological function.

**Candidate Species** - Plant and animal taxa considered for possible addition to the List of Endangered and Threatened Species. These are taxa for which the Fish and Wildlife Service has on file sufficient information on biological vulnerability and threat(s) to support issuance of a proposal to list, but issuance of a proposed rule is currently precluded by higher priority listing actions.

**Cavity Nesters** - Wildlife species, most frequently birds, that require cavities (holes) in trees for nesting and reproduction.

**Commercial Thinning** - The removal of merchantable trees from a stand to encourage growth of the remaining trees.

**Connectivity** - The Connectivity / Diversity lands are specific blocks spaced throughout the matrix lands, which have similar goals as matrix but have specific Standards & Guidelines which affect their timber production. They are managed on longer rotations (150 years), retain more green trees following regeneration harvest (12-18) and must maintain 25-30 percent of the block in late successional forest.

**Cubic Foot** - A unit of solid wood, one foot square and one foot thick.

**Cumulative Effect** - The impact that results from identified actions when they are added to other past, present, and reasonably foreseeable future actions regardless of who undertakes such other actions. Cumulative effects can result from individually minor but collectively significant actions taking place over a period of time.

**Density Management** - Cutting of trees for the primary purpose of widening their spacing so that growth of remaining trees can be accelerated. Density management harvest can also be used to improve forest health, to open the forest canopy, or to accelerate the attainment of old growth characteristics, if maintenance or restoration of biological diversity is the objective.

**District Designated Reserves (DDR)** - Areas designated for the protection of specific resources, flora and fauna, and other values. These areas are not included in other land use allocations nor in the calculation of the ASQ.

**Eligible River** - A river or river segment, through an interdisciplinary team process and in some cases interagency review, found to meet Wild and Scenic River Act criteria of being free flowing and possessing one or more Outstandingly Remarkable Values.

**Endangered Species** - Any species defined through the Endangered Species Act as being in danger of extinction throughout all or a significant portion of its range and published in the Federal Register.

**Environmental Assessment (EA)** - A systematic analysis of site-specific BLM activities used to determine whether such activities have a significant effect on the quality of the human environment; and whether a formal Environmental Impact Statement is required; and to aid an agency's compliance with NEPA when no EIS is necessary.

**General Forest Management Area (GFMA) (See Matrix)** - This is the federal land not encumbered by any other land use designation, on which most timber harvest and silvicultural activities will be conducted.

**Harvested Volume or Harvested Acres** - Refers to timber sales where trees are cut and taken to a mill during the fiscal year. Typically, this volume was sold over several years. This is more indicative of actual support of local economies during a given year.

**Hazardous Materials** - Anything that poses a substantive present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of or otherwise managed.

**Land Use Allocation (LUA)** - Allocations which define allowable uses / activities, restricted uses / activities and prohibited uses / activities. Each allocation is associated with a specific management objective. Those discussed below include Matrix (or GFMA), Connectivity, LSR, and AMA.

**Late-Successional Forests** - Forest seral stages that include mature and old growth age classes.

**LSR - Late Successional Reserve** - Lands which are managed to protect and enhance old-growth forest conditions.

**Matrix Lands** - Federal land outside of reserves and special management areas that will be available for timber harvest at varying levels.

**MMBF** - Abbreviation for million board feet of timber.

**Noxious Plant/Weed** - A plant specified by law as being especially undesirable, troublesome, and difficult to control.

**O&C Lands** - Public lands granted to the Oregon and California Railroad Company, and subsequently revested to the United States, that are managed by the Bureau of Land Management under the authority of the O&C Lands Act.

**Offered (sold) Volume or Offered (sold) Acres** - Any timber sold during the year by auction or negotiated sales, including modifications to contracts. This is more of a “pulse” check on the district’s success in meeting ASQ goals than it is a socioeconomic indicator, since the volume can get to market over a period of several years. It should be noted that for this Annual Program Summary we are considering “offered” the same as “sold”. Occasionally sales do not sell. They may be reworked and sold later or dropped from the timber sale program. Those sold later will be picked up in the APS tracking process for the year sold. Those dropped will not be tracked in the APS.

**Off-Highway Vehicle (OHV)** - Any motorized track or wheeled vehicle designed for cross-country travel over natural terrain. The term, "Off Highway Vehicle" will be used in place of the term "Off Road Vehicle" to comply with the purposes of Executive Orders 11644 and 11989. The definition for both terms is the same.

**Open:** Designated areas and trails where Off Highway Vehicles may be

operated subject to operating regulations and vehicle standards set forth in BLM Manuals 8341 and 8343.

**Limited:** Designated areas and trails where Off Highway Vehicles are subject to restrictions limiting the number or types of vehicles, date, and time of use; limited to existing or designated roads and trails.

**Closed:** Areas and trails where the use of Off Highway Vehicles is permanently or temporarily prohibited. Emergency use is allowed.

**Outstanding Natural Area (ONA)** - An area that contains unusual natural characteristics and is managed primarily for educational and recreational purposes.

**Outstandingly Remarkable Values (ORV)** - Values among those listed in Section 1 (b) of the Wild and Scenic Rivers Act: "scenic, recreational, geological, fish and wildlife, historical, cultural, or other similar values . . ." Other similar values that may be considered include ecological, biological or botanical, paleontological, hydrological, scientific, or research.

**Precommercial Thinning** - The practice of removing some of the trees less than merchantable size from a stand so that remaining trees will grow faster.

**Prescribed Fire** - A fire burning under specified conditions that will accomplish certain planned objectives.

**Probable Sale Quantity (PSQ)** - An estimated volume that can be harvested from matrix and AMA lands based on certain computer modeling assumptions.

**“Projected Acres”** are displayed by modeled age class for the decade. These “modeled” age class acres are estimates derived from modeling various silvicultural prescriptions for regeneration, commercial thinning, and density management harvest. Modeled age class acre projections may or may not correspond to “Offered” or “Harvested” age class acres at this point in the decade. Additional age classes are scheduled for regeneration, commercial thinning, and density management harvest at other points in the decade.

**Regeneration Harvest** - Timber harvest conducted with the partial objective of opening a forest stand to the point where favored tree species will be reestablished.

**Regional Ecosystem Office (REO)** - The main function of this office is to provide staff work and support to the Regional Interagency Executive Committee (RIEC) so the standards and guidelines in the forest management plan can be successfully implemented.

**Regional Interagency Executive Committee (RIEC)** - This group serves as the senior regional entity to assure the prompt, coordinated, and successful implementation of the forest management plan standards and guidelines at the regional level.

**Research Natural Area (RNA)** - An area that contains natural resource values of scientific interest and is managed primarily for research and educational purposes.

**Resource Management Plan (RMP)** - A general land use plan prepared by BLM under current regulations in accordance with the Federal Land Policy and Management Act.

**Right-of-Way** - A permit or an easement that authorizes the use of public lands for specified purposes, such as pipelines, roads, telephone lines, electric lines, reservoirs, and the lands covered by such an easement or permit.

**Rural Interface Areas** - Areas where BLM administered lands are adjacent to or intermingled with privately owned lands zoned for 1 to 20-acre lots or that already have residential development.

**Seral Stages** - The series of relatively transitory plant communities that develop during ecological succession from bare ground to the climax stage. There are five stages:

**Early Seral Stage:** The period from disturbance to crown closure of conifer stands usually occurring from 0-15 years. Shrubs, grasses, and forbs, are plentiful.

**Mid Seral Stage:** The period in the life of a forest stand from crown closure to ages 15-40. Due to stand density, shrubs, grasses, or forbs rapidly decrease in the stand. Hiding cover may be present.

**Late Seral Stage:** The period in the life of a forest stand from first merchantability to culmination of Mean Annual Increment. This is under a regime including commercial thinning, or to 100 years of age, depending on wildlife habitat needs. During this period, stand diversity is minimal, except that conifer mortality rates will be fairly rapid. Hiding and thermal cover may be present. Forage is minimal.

**Mature Seral Stage:** The period in the life of a forest stand from Culmination of Mean Annual Increment to an old growth stage or to 200 years. This is a time of gradually increasing stand diversity. Hiding cover, thermal cover, and some forage may be present.

**Old Growth:** This stage constitutes the potential plant community capable of existing on a site given the frequency of natural disturbance events. For forest

communities, this stage exists from approximately age 200 until when stand replacement occurs and secondary succession begins again. Depending on fire frequency and intensity, old growth forests may have different structures, species composition, and age distributions. In forests with longer periods between natural disturbance, the forest structure will be more even-aged at late mature or early old growth stages.

**Silvicultural Prescription** - A detailed plan, usually written by a forest silviculturist, for controlling the establishment, composition, constitution, and growth of forest stands.

**Site Preparation** - Any action taken in conjunction with a reforestation effort (natural or artificial) to create an environment that is favorable for survival of suitable trees during the first growing season. This environment can be created by altering ground cover, soil or microsite conditions, using biological, mechanical, or manual clearing, prescribed burns, herbicides, or a combination of methods.

**SEIS Special Attention Species** - A term which incorporates the “Survey and Manage” and “Protection Buffer” species from the Northwest Forest Plan. (RMP30)

**Special Status Species** - Plant or animal species in any of the following categories

- \* Threatened or Endangered Species
- \* Proposed Threatened or Endangered Species
- \* Candidate Species
- \* State-listed Species
- \* Bureau Sensitive Species
- \* Bureau Assessment Species

**Target Volume** - As used in this document, target volume refers to the volume to be offered for sale as directed by the annual budgeting documents for the district.

**Visual Resource Management (VRM)** - The inventory and planning actions to identify visual values and establish objectives for managing those values and the management actions to achieve visual management objectives.

**Wild and Scenic River System** - A National system of rivers or river segments that have been designated by Congress and the President as part of the National Wild and Scenic Rivers System (Public Law 90-542, 1968). Each designated river is classified as one of the following:

**Wild River:** A river or section of a river free of impoundments and generally inaccessible except by trail, with watersheds or shorelines essentially primitive and waters unpolluted. Designated wild as part of the Wild and Scenic Rivers System.

**Scenic River:** A river or section of a river free of impoundments, with shorelines or watersheds still largely primitive and undeveloped but accessible in places by roads. Designated scenic as part of the National Wild and Scenic Rivers System.

**Recreational River:** A river or section of a river readily accessible by road or railroad, that may have some development along its shorelines, and that may have undergone some impoundment or diversion in the past. Designated recreational as part of the National Wild and Scenic Rivers System.

## **Acronyms/Abbreviations**

ACEC	Area of Critical Environmental Concern
ACS	Aquatic Conservation Strategy
APS	Annual Program Summary
BA(s)	Biological Assessments
BLM	Bureau of Land Management
BMP(s)	Best Management Practices
BRD	Biological Resources Division of USGS
CBWR	Coos Bay Wagon Road
CON	Connectivity/Diversity Blocks
CERTs	Community Economic Revitalization Teams
CFER	Cooperative Forest Ecosystem Research
COPE	Coastal Oregon Productivity Enhancement Project
CT	Commercial Thinning
CX	Categorical Exclusions
CWA	Clean Water Act
CWD	Coarse Woody Debris
DEQ(ODEQ)	Oregon Department of Environmental Quality
DM	Density Management
DPS	Distinct Population Segment
EA	Environmental Analysis
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
ERFO	Emergency Relief Federally Owned
ERMA	Extensive Recreation Management Area
ESA	Endangered Species Act
ESU	Evolutionarily Significant Unit
FEIS	Final Environmental Impact Statement
FLPMA	Federal Land Policy and Management Act
FONSI	Finding of No Significant Impacts
FRESC	Forest & Rangeland Ecosystem Science Center
FS	Forest Service (USFS)
FY	Fiscal Year
GFMA	General Forest Management Area
GIS	Geographic Information System
GTR	Green Tree Retention
IDT	Interdisciplinary Teams
LSR	Late-Successional Reserve
LUA	Land Use Allocation
LWD	Large Woody Debris
MMBF	Million Board Feet
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding

NEPA	National Environmental Policy Act
NFP (NWFP)	Northwest Forest Plan
NMFS	National Marine Fisheries Service
O&C	Oregon and California Revested Lands
ODF	Oregon Department of Forestry
ODFW	Oregon Department of Fish and Wildlife
OSU	Oregon State University
PACs	Province Advisory Councils
PD	Public Domain
PGE	Portland General Electric
PILT	Payment in Lieu of Taxes
PL	Public Law
PSQ	Probable Sale Quantity
RA	Resource Area
REO	Regional Ecosystem Office
RIEC	Regional Interagency Executive Committee
RMP	Resource Management Plan
RMP/ROD	<i>The Salem District RMP and Record of Decision</i>
RO	Forest Service Regional Office
ROD	Record of Decision
RPA	Reserve Pair Area
RR	Riparian Reserve
R/W	Right-of-Way
SEIS	Supplemental Environmental Impact Statement
S&G	Standard and Guideline
S&M	Survey and Manage
SRMA	Special Recreation Management Area
TMO	Timber Management Objective(s)
TMP	Transportation Management Plan
TPCC	Timber Productivity Capability Classification
UO	University of Oregon
USDA	U.S. Department of Agriculture
USDI	U.S. Department of Interior
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
WC	Watershed Council
WFSA	Wildfire Situation Analysis
WQMP	Water Quality Management Plan

**Appendix 1 - TIMBER SALE VOLUMES - ANNUAL PROJECTIONS VS. OFFERED  
FY 95-00\***

	Volume (MMBF)*						
Land Use Allocation	Projected Annual** @ Full ASQ	Offered FY 95	Offered FY 96	Offered FY 97	Offered FY 98	Offered FY 99	Offered FY 00
AMA	1.95	2.209	1.779	5.549	0.425	0	0
Matrix (GFMA)	29.75	13.843	22.293	29.659	42.574	6.279	10.947
Connectivity	3.11	0	0	.632	0	0	0
Misc.Volume From Above LUAs	0	.139	.723	2.120	1.369	.602	1.104
Total Volume Off ASQ Lands	34.81	16.191	24.795	37.960	44.368	6.881	12.051
LSR Volume (Density Mgt.)	N/A	0	2.606	0	0	3.559	1.131
RR Volume (Density Mgt.)	N/A	.072	1.618	4.396	1.328	0	.764
Misc. Volume (LSR, RR)	N/A	.223	.122	1.062	.187	0	.615
Total Volume Off Non-ASQ Lands	N/A	.295	4.346	5.458	1.515	3.559	2.510
<i>Total Volume Offered</i>	<i>N/A</i>	<i>16.486</i>	<i>29.141</i>	<i>43.418</i>	<i>45.883</i>	<i>10.44</i>	<i>14.561</i>
<i>District Budget Target Volume</i>	<i>N/A</i>	<i>23</i>	<i>29</i>	<i>35</i>	<i>35</i>	<i>35</i>	<i>15</i>

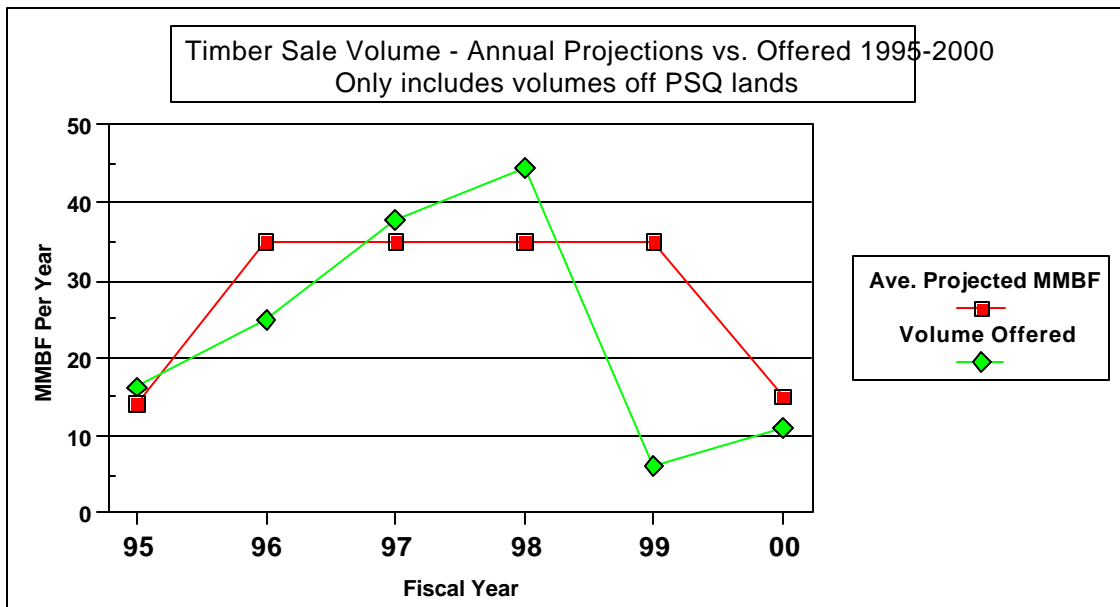
\* MMBF = million board feet

\*\* Projected figures are 1/10th of the decadal projection

\*\*\* FY95 volumes from date of RMP signing in May, 1995.

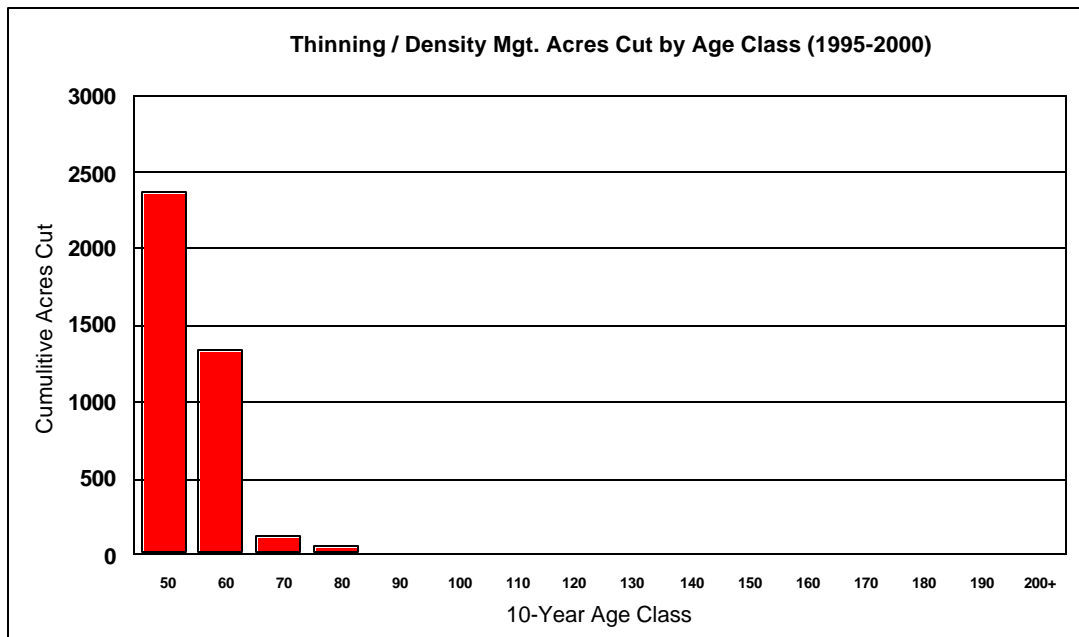
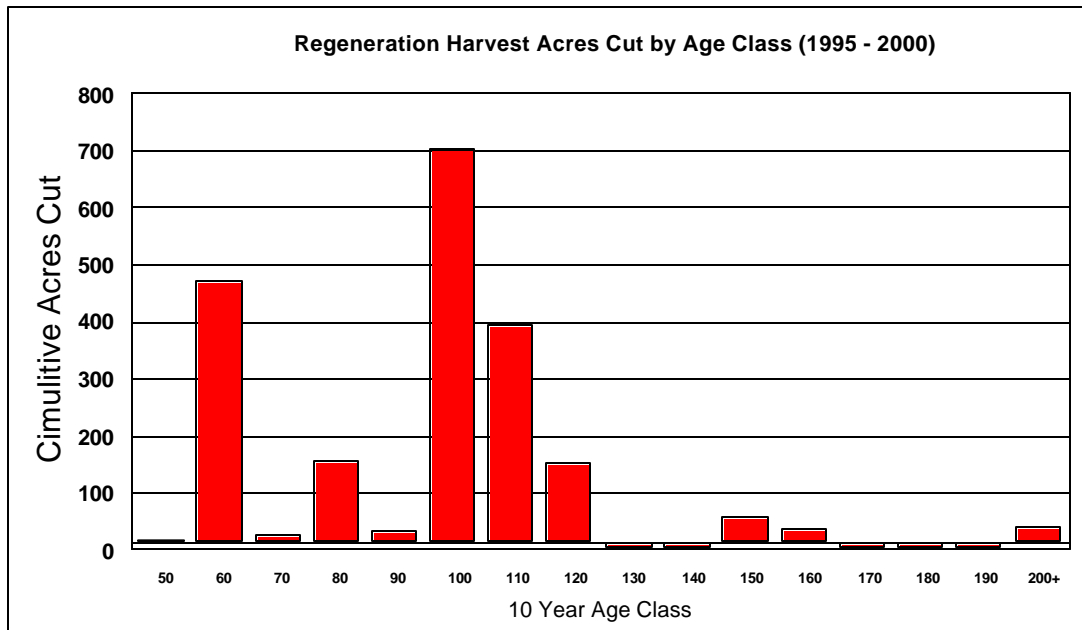
Volumes in Appendix 1 are cumulation of volumes in Appendices 3 & 4 plus miscellaneous volume.

## Appendix 1 (continued)



PSQ = probable sale quantity

## Appendix 2 - ACRES CUT BY AGE CLASS (1995-2000)



Data includes sales from May 95 RMP signature date thru FY2000

### Appendix 3 - REGENERATION TIMBER SALE VOLUME

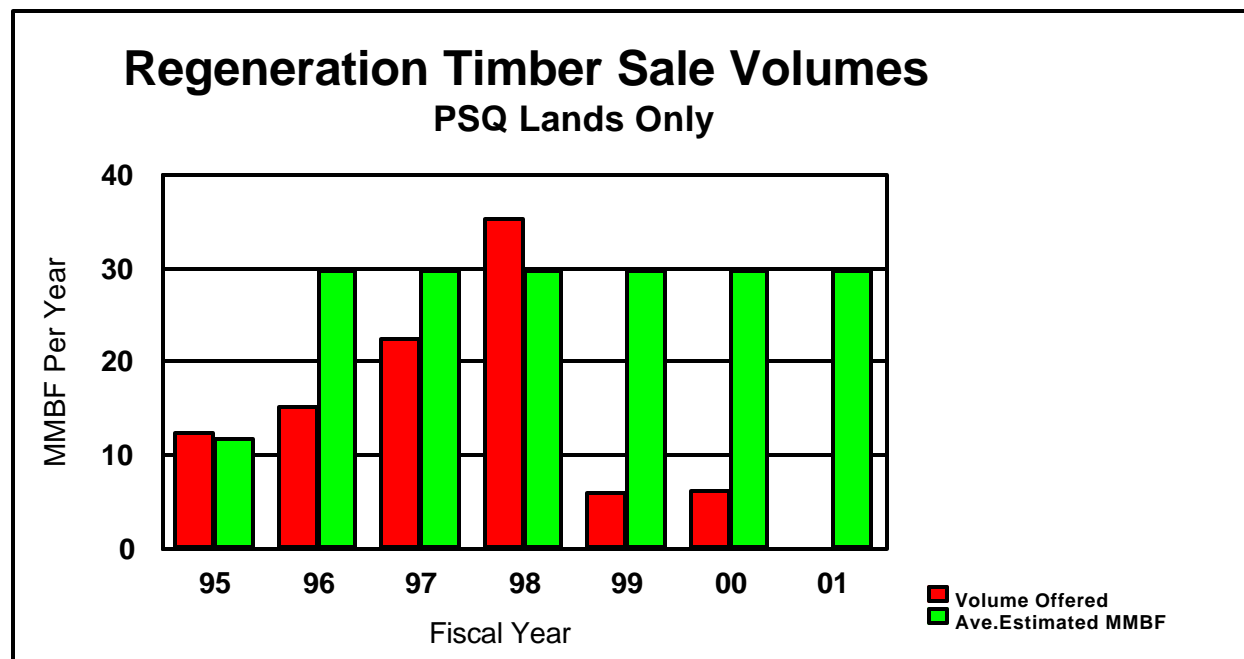
Comparison of projected vs. offered volume by Land Use Allocation (LUA)  
FY 95-00

Land Use Allocation	Total District Cumulative MMBF* Offered FY 95-99**	District MMBF Offered FY00	Total District Projected MMBF For Decade 1995-2005
Matrix(GFMA)	91.235	6.65	274.5
Connectivity	0.276	0	24.1
LSR***	.175	.2	N/A
AMA***	0	0	N/A
Totals	91.686	6.85	298.6

\* MMBF = million board feet

\*\* FY95 only includes sales after May RMP decision date.

\*\*\* No regeneration harvest projected in LSR or AMA.



PSQ= Probable Sale Quantity



## Appendix 4 - THINNING AND DENSITY MANAGEMENT VOLUME

Comparison of projected vs. offered volume by land use allocation (LUA) FY 95-00

Land Use Allocation	Total District Cumulative MMBF* Offered FY 95-99**	District MMBF Offered FY00	Total District Projected MMBF For Decade 1995-2005
Matrix*** (GFMA)	23.413	5.400	23.044
Connectivity***	0.356	0	6.952
AMA****	6.124	0	19.477
Total ASQ	29.893	5.400	49.473
Riparian Reserve	7.414	0.760	N/A*****
LSR / AMR	5.99	1.560	N/A*****
Total Non-ASQ	13.404	2.320	N/A*****
Grand Total	43.297	7.720	49.473

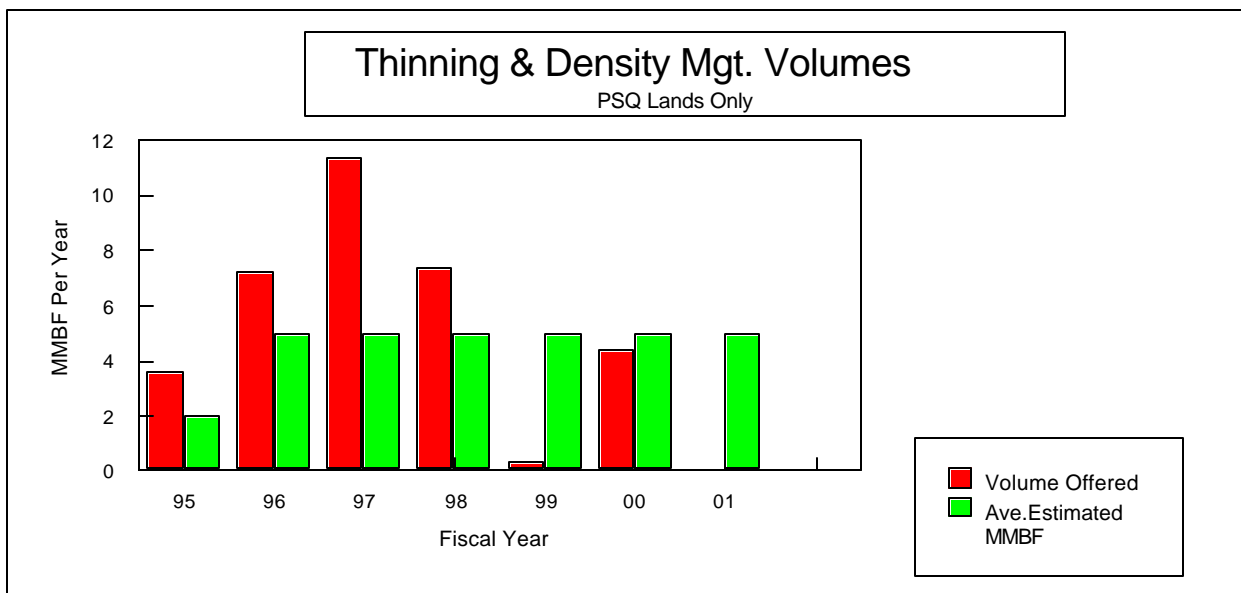
\* MMBF = million board feet

\*\* FY95 only includes sales after May RMP decision date

\*\*\*Commercial thinning projected in these LUAs.

\*\*\*\* Density Management projected in AMAs

\*\*\*\*\* No projections made for LSR / RR.

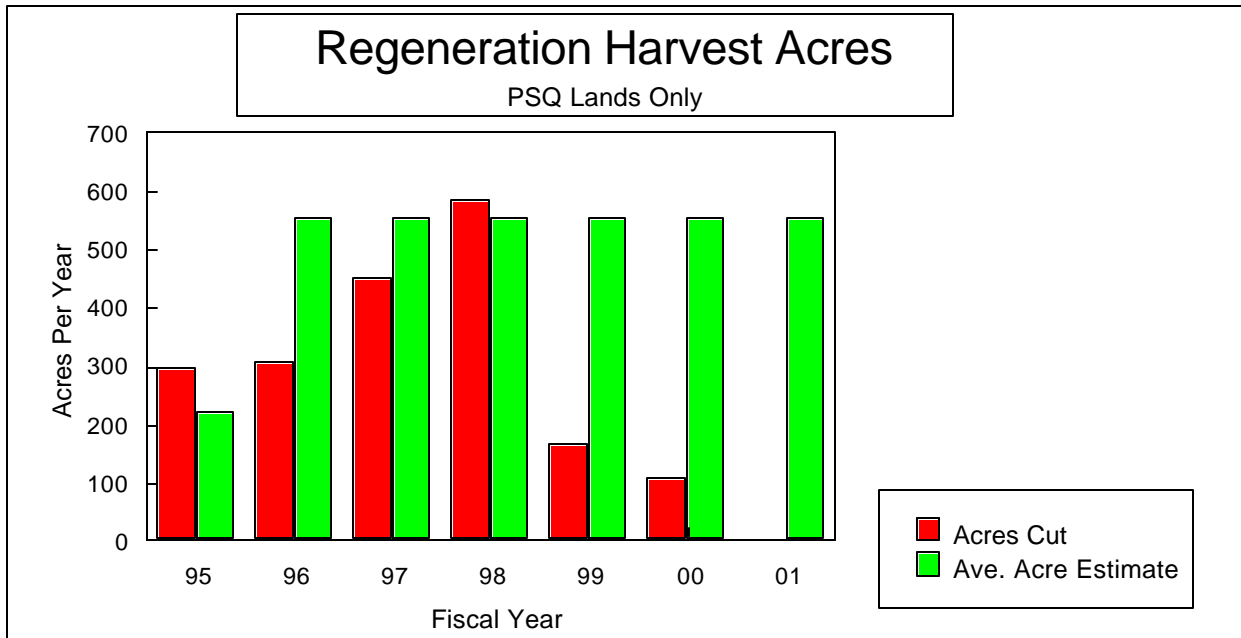


## Appendix 5 - REGENERATION HARVEST ACRES

Comparison of projected vs. offered harvest acres by land use allocation (LUA) FY 95-00

Land Use Allocation	Total District Cumulative Acres Offered FY 95-99	District Acres Offered FY00	Total District Projected Acres For Decade 1995-2005
Matrix (GFMA)	1787	114.5	4971
Connectivity	12	0	587
LSR*	7	35.5	N/A
AMA*	0	0	N/A
Totals	1806	150	5558

\* No regeneration harvest projected in LSR or AMA





## Appendix 6 - THINNING AND DENSITY MANAGEMENT ACRES\*

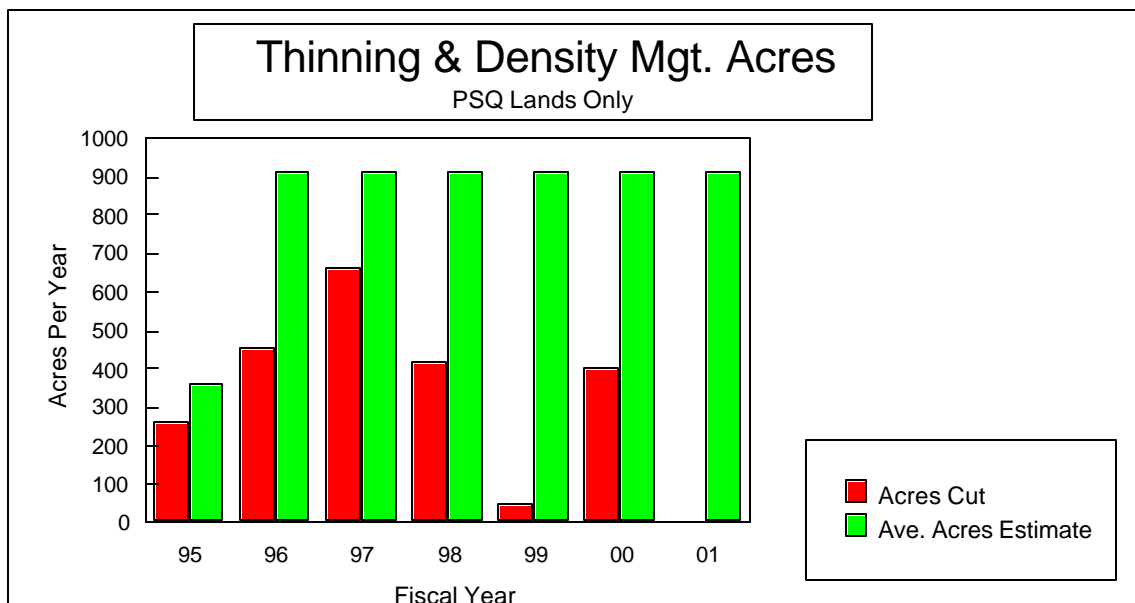
Comparison of projected vs. offered acres by Land Use Allocation (LUA) FY 95-00

Land Use Allocation	Total District Cumulative Acres Offered FY 95-99	District Acres Offered FY 00	Total District Projected Acres For Decade 1995-2005
Matrix** (GFMA)	1430	403	2920
Connectivity**	25	0	736
AMA***	409	0	2141
Total ASQ Lands	1864	403	5797
LSR***	333	109	3316
RR	422	28	None
Total Non-ASQ Lands	595	137	3316
Grand Total	2409	540	9113

\* Information from TSIS

\*\* Commercial thinning projected in these LUAs.

\*\*\* Density Management projected in AMAs.



## Appendix 7 - COMPARISON OF INTENSIVE SILVICULTURE PRACTICES - MODEL PROJECTIONS VS. ACTUAL

Silviculture Practice	Annual Projected Amount (acres)	Actual Amount (Acres) Accomplished FY 95 (part)	Actual Amount (Acres) Accomplished FY 96	Actual Amount (Acres) Accomplished FY 97	Actual Amount (Acres) Accomplished FY 98	Actual Amount (Acres) Accomplished FY 99	Actual Amount (Acres) Accomplished FY 00
Site preparation / Prescribed fire*	480	88	183	263	330	245	284
Site preparation / other*	590	157	224	646	220	642	730
Maintenance / protection**	3130	3907	2632	2399	2244	2102	2906
Release / Precommercial thinning (PCT)**	2970	1419	2609	1250	1172	1330	711
Stand conversion**	90	5	0	0	0	0	50
Plant regular stock*	480	0	478	520	343	382	577
Plant genetic stock*	450	0	156	131	186	345	169
Fertilization**	600	0	0	0	1671	2974	0
Pruning	None projected	14	113	0	158	65	0

\* These particular items are directly related to acres harvested. Funding was sufficient to complete all available acres.

\*\* These items are related to need and budget levels, so actual amounts will vary from year to year.

NOTE: This table displays treatment acres differently, and shows different treatment acres than previous editions of the APS. The difference is the result of using a more consistent methodology for sorting treatment acres into various practices and fiscal years.

## Appendix 9 - SUMMARY OF SPECIAL FOREST / NATURAL PRODUCT ACTIONS

RMP Authorized Product Sales	Unit of Measure	FY 1996 - 1999* Units/Contracts/Value	Fiscal Year 2000 Units/Contracts/Value	Five year TOTAL Units/Contracts/Value
Boughs (coniferous)	Pounds	363,410 pounds/ 70 contracts/ \$22,914.50	104,000 pounds/ 20 contracts/ \$9,987.00	467,410 pounds/ 90 contracts/ \$32,901.50
Burls and Miscellaneous	Pounds	1,535.7 pounds/ 2 contracts/ \$220.00	0 pounds/ 0 contracts/ \$0.00	1,535.7 pounds/ 2 contracts/ \$220.00
Christmas Trees	Number	8 trees/ 5 contracts/ \$40.50	2 trees/ 2 contracts/ \$20.48	10 trees/ 7 contracts/ \$60.98
Edibles and Medicinals	Pounds	24,579.3 pounds/ 38 contracts/ \$1,138.95	3,500 pounds/ 3 contracts/ \$105.00	28,079.3pounds/ 41 contracts/ \$1,243.95
Feed and Forage	Tons	133.1 tons/ 25 contracts/ \$1,996.77	232 tons/ 12 contracts/ \$982.50	365.1 tons/ 37 contracts/ \$2,979.27
Floral and Greenery	Pounds	301,456.4 pounds/ 302 contracts/ \$27,080.35	274,507.1 pounds/ 137 contracts/ \$19,268.38	575,963.5 pounds/ 439 contracts/ \$46,348.73
Moss and Bryophytes	Pounds	573,625.5 pounds/ 444 contracts/ \$31,197.40	131,997 pounds/ 83 contracts/ \$4,393.74	705,622.5 pounds/ 527 contracts/ \$35,591.14

RMP Authorized Product Sales	Unit of Measure	FY 1996 - 1999* Units/Contracts/Value	Fiscal Year 2000 Units/Contracts/Value	Five year TOTAL Units/Contracts/Value
Mushrooms and Fungi	Pounds	73,836.6 pounds/ 537 contracts/ \$9,420.70	13,162 pounds/ 161 contracts/ \$2,323.74	86,998.6 pounds/ 698 contracts/ \$11,744.44
Ornamentals	Number	500 plants/ 1 contract/ \$10.00	0 plants/ 0 contracts/ \$0.00	500 plants/ 1 contract/ \$10.00
Seed and Seed Cones	Bushels	644.5 bushels/ 12 contracts/ \$867.45	40.0 bushels/ 1 contract/ \$36.00	684.5 bushels/ 13 contracts/ \$903.45
Transplants	Number	31,019 plants/ 72 contracts/ \$6,539.91	11,465 plants/ 22 contracts/ \$412.80	42,484 plants/ 94 contracts/ \$6,952.71
Wood Products and Firewood **	Cubic feet	215,642.4 cu. ft/ 635 contracts/ \$28,449.38	51,456.7 cu. ft/ 151 contracts/ \$10,427.25	267,099.1 cu. ft/ 786 contracts/ \$38,876.63
TOTALS		-----/ 2,143 contracts/ \$129,875.91	-----/ 592 contracts/ \$47,956.61	-----/ 2,735 contracts/ \$177,832.52

\* - Contract numbers represent individual sale (or free use) actions. **Value** is in dollars per year received.

\*\* To avoid double counting, this line does not include sawtimber which is reported elsewhere.

Above is Appendix 9 (Continued)

## Appendix 10 - LAND EXCHANGES FY 95-00

*No Additions to this Table for FY00*

Name	Exchange Number	Date	Acres Acquired	Acres Conveyed	Remarks
Aims Exchange	OR50799	2/24/95	0	27.09	BLM acquired 48.80 acres is Perpetual Scenic Easement to facilitate implementation of the Sandy Wild& Scenic River Mgt. Plan.
Sandy Exchange	OR50419	3/7/95	80.85	0	5 acres of timber only conveyed in return for the acquired acreage. Acreage acquired to facilitate implementation of the Sandy Wild& Scenic River Mgt. Plan.
Rocky Top Exchange	OR50847	8/3/95	142.82	110.00	Exchange to consolidate ownership and acquire a Bald Eagle Nest Site.
River Trail Exchange	OR51155	5/7/96	154.41	80	Exchange to obtain access for proposed Molalla River Trail.
Little N.Fk.Wilson River Exchange	OR51231	6/26/96	525.01	489.93	Exchange to obtain high quality Marbled Murrelet, Spotted Owl and Salmon Habitat.
Wildwood Exchange	OR52446	3/11/98	89.07	80	Also acquired 8.12 acre Perpetual Trail Easement
Mt.Hood Corridor Exchange	OR53235	1/12/98	3531.65	1453.52	Exchange completed per Title IV of the Omnibus Consolidated Appropriations Act for FY 1997. Lands are in view shed of Mt.Hood Corridor.
Totals			4523.81	2240.54	Net Acreage increase to BLM of 2,283.27 Acres

Source: Serial Register of Realty Cases - Salem District

**Appendix 11 - LAND SALES FY 95-00**

*No Additions to this Table for FY00*

These land sales were isolated parcels of BLM ownership that were targeted for disposal (land tenure zone 3), or minor sales completed to resolve occupancy trespasses.

Purchaser	Serial Number	Date	Acres Sold
Peter Boden	OR51166	9/25/95	0.43
Robert Dersham	OR51291	2/23/95	0.80
Caffall Brothers	OR51890	1/9/96	2.44
Ray Johnson	OR51998	10/17/95	0.15
Clem Lulay	OR52096	5/26/96	0.19
Clara Taylor	OR52165	10/17/95	0.46
Ervin Simmons	OR52166	10/17/95	0.38
Robert Mommson	OR52644	1/24/97	0.20
Stimson Lmbr. Co.	OR53113	8/28/97	0.15
Stimson Lmbr. Co.	OR53114	8/28/97	0.60
Morrow For.Pds.	OR53115	11/19/97	1.00
Morrow For.Pds.	OR53116	11/19/97	2.10
Morrow For.Pds.	OR53117	11/19/97	2.60
City of McMinnville	OR54442	6/16/98	3.79
Susi K. Trattner	OR53611	11/6/98	0.19
Konstantin Verbin	OR53985	4/29/99	0.34
Total Acres Sold			15.82

## Appendix 12 - WATERSHED RESTORATION PROJECTS FY 95-00

Type Project	Number of Projects	Number in Key Watersheds	Number in Non-key Watersheds	Miles / Acres /Streams, etc.
Roads Closed (gates/berms)	38	11	27	15+ miles
Roads Obliterated	13	5	8	25+ miles
Culvert Replacement Projects	222*	35	187	107+ culverts, 10+ miles
Roads Resurfaced / Stabilized	21	8	13	19+ miles
Riparian Planting	13	10	3	6 miles, 8+ acres
Riparian Density Management	14	7	7	482 acres
Riparian Inventory	14	3	11	1204 Ac
Stream / Fish Habitat Inventory	122	15	107	196+ miles
New Fish Structures	23	12	11	20+ structures
Fish Structures Maintained	14	12	2	8+ structures

Note: These numbers are rough estimates, collected from numerous individuals and from a variety of sources. They are intended to give a general idea of where restoration efforts have been focused and the approximate level of activities in restoration work since implementation of the RMP.

\* This number is of limited value. Some contracts replaced numerous culverts. Other projects were single culverts.

### Appendix 13 - SUMMARY OF PROJECT UNITS MONITORED FY00

Project Type	Number Tillamook R.A.	Number Marys Peak R.A.	Number Cascades R.A.	Total Number For The District
Timber Sales	N/C	3	1	4
Silviculture Projects	1	0	0	1
Riparian Projects	N/C	1	1	2
Fish Habitat Projects	1	N/C	N/C	1
Wildlife Habitat Projects	2	N/C	N/C	2
Prescribed Burns	N/C	N/C	N/C	N/C
Road Restoration / Bridge Replacement	2	2	1	5
Other Projects	N/C	N/C	0	0

N/C = None Completed to Monitor

## Appendix 14 - FY 00 IMPLEMENTATION MONITORING SELECTION CATEGORIES

Selection Categories From Database	Units Completed FY00*	Units Monitored FY00	Percent Monitored
Ground Disturbing Activities	37	13	35%
Projects Occurring in Riparian Reserves	42	16	38%
Structures within Riparian Reserves	23	8	35%
Projects in Late Successional Reserves	23	9	39%
Projects in Adaptive Management Areas	10	4	40%
Timber Sales in Watersheds w/ <15% Late Successional Forest**	5	2	40%
Matrix Regeneration Harvests	12	5	42%
Density Management / Commercial Thinning	9	4	44%
Projects in Community Watersheds	17	6	35%
Projects Within or Adjacent to Special Areas	1	1	100%
Projects Which Include or Are Adjacent to Special Habitats	7	3	43%
Projects in VRM II or III Areas	27	6	22%
Projects in Wild and Scenic River Corridors	9	0	0%
Projects in Rural Interface	12	5	42%
Noxious Weed Project	0	0	NA
Prescribed Burn Projects	3	3	100%
Projects Which Required Dust Abatement	0	0	NA

Note: Minimum monitoring requirements in each listed category is 20%. The district exceeded the minimums in numerous categories, primarily due to overlapping applicability (many projects meet several criteria in above table).

\* Projects completed between 1 Oct 98 and 30 June 99.

\*\* All in compliance with 15% rule (avoided older stands, salvage, thinning)

**Appendix 16 - RESPONSE FREQUENCIES AND DISTRIBUTION BY SELECTED UNITS -  
“NO” OR “DOES NOT MEET” RESPONSES (SEE MONITORING NARRATIVE FOR EXPLANATIONS)**

General Areas of Noted Questions >	Beneficial Use and BMPs	Coarse Woody Debris	Green Tree Retention	Riparian				NEPA	Fish	Roads	Watershed Analysis	Totals
<i>Question Number &gt;</i>	36	31	33	3	4	5	6	7	44,46	10	1	
Project Name												
Green Peak Density Mgt.	X						X		X			3
Alder Cat Thinning					X	X	X	X	X	X		6
Beverly Cr.Rd.Decommission				X			X	X	X		X	5
Bummer Swamp Timber Sale			X					X				2
East Fork Lobster Enhancement									X			1
Eagle Creek Restoration									X			1
Bauercrest Timber Sale		X										1
	1	1	1	1	1	1	3	3	5	1	1	19

## Appendix 17: Resident Labor Force, Employment by Industry, Oregon

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	1,640,000	1,652,700	1,719,700	1,727,700	1,763,700	1,760,500
Unemployment	89,000	80,100	101,600	100,700	98,600	100,400
Total Wage and Salary	1,362,900	1,418,400	1,474,600	1,526,400	1,551,800	1,572,400
Total Manufacturing	221,300	229,300	235,800	243,600	246,100	240,800
>Lumber & Wood	63,300	61,300	59,800	60,200	59,000	57,300
>Other Manufacturing	158,000	168,000	176,000	183,400	187,100	183,500
Total Non-Manufacturing	1,141,600	1,189,100	1,238,900	1,282,800	1,305,700	1,331,600
>Const. & Mining	62,900	70,400	79,400	83,300	83,400	84,700
>Trans., Comm. &	68,900	71,300	73,500	74,900	76,200	77,700
>Trade	344,100	357,000	365,900	377,500	383,400	387,900
>Finance, Ins. & Real	87,800	87,200	91,000	94,800	95,200	95,400
>Services & Misc.	343,200	362,900	382,600	402,800	412,100	425,400
>Government	234,700	240,200	246,600	249,500	255,300	260,500

### Appendix 18: Resident Labor Force, Employment by Industry, Benton County

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	39,410	41,170	42,680	42,270	42,160	40,790
Unemployment	1,010	910	1,150	1,050	1,290	1,200
Total Wage and Salary Emp.	34,670	37,100	38,540	39,340	38,710	36,580
Total Manufacturing	7,090	8,130	8,840	9,300	8,580	7,380
>Lumber & Wood Products	1,130	1,010	1,030	1,070	920	770
>Other Manufacturing	5,960	7,120	7,810	8,230	7,660	6,610
Total Non-Manufacturing	27,590	28,970	29,700	30,040	30,140	29,200
>Const. & Mining	800	860	960	980	1,060	990
>Trans., Comm. & Utilities	930	950	940	930	950	950
>Trade	5,390	5,680	6,010	6,030	6,160	6,070
>Finance, Ins. & Real Est.	1,370	1,440	1,400	1,290	1,180	1,180
>Services & Misc.	7,570	8,290	8,600	8,970	8,880	8,910
>Government	11,520	11,760	11,810	11,860	11,890	11,100

### Appendix 19: Resident Labor Force, Employment by Industry, Clatsop County

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	17,380	17,250	17,520	17,630	17,670	17,170
Unemployment	1,100	870	1,110	1,180	1,050	970
Total Wage and Salary Emp.	14,140	14,530	14,680	15,190	15,310	15,200
Total Manufacturing	2,710	2,620	2,670	2,630	2,510	2,500
>Lumber & Wood Products	1,650	1,600	1,630	1,670	1,630	1,640
>Other Manufacturing	1,060	1,020	1,040	960	880	860
Total Non-Manufacturing	11,430	11,910	12,010	12,560	12,790	12,700
>Const. & Mining	570	600	620	630	680	720
>Trans., Comm. & Utilities	520	530	500	480	500	490
>Trade	4,170	4,320	4,290	4,290	4,260	4,300
>Finance, Ins. & Real Est.	600	590	550	560	560	550
>Services & Misc.	3,130	3,410	3,520	3,940	4,080	3,910
>Government	2,440	2,460	2,520	2,650	2,710	2,730

## Appendix 20: Resident Labor Force, Employment by Industry, Columbia County

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	20,640	20,650	21,840	22,160	22,730	22,720
Unemployment	1,340	990	1,340	1,360	1,330	1,400
Total Wage and Salary Emp.	8,830	9,090	9,450	9,770	9,950	10,070
Total Manufacturing	2,170	2,240	2,290	2,320	2,230	2,220
>Lumber & Wood Products	1,420	1,510	1,470	1,460	1,410	1,400
>Other Manufacturing	750	730	820	860	820	820
Total Non-Manufacturing	6,660	6,840	7,170	7,450	7,710	7,850
>Const. & Mining	440	490	520	560	570	580
>Trans., Comm. & Utilities	680	670	710	700	800	840
>Trade	1,920	1,940	2,050	2,230	2,300	2,350
>Finance, Ins. & Real Est.	380	390	400	410	410	390
>Services & Misc.	1,360	1,450	1,530	1,600	1,600	1,660
>Government	1,880	1,900	1,960	1,960	2,030	2,030

## Appendix 21: Resident Labor Force, Employment by Industry, Lincoln County

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	20,990	21,040	21,720	21,520	21,650	21,090
Unemployment	1,270	1,480	1,620	1,850	1,680	1,740
Total Wage and Salary Emp.	15,780	16,020	16,670	16,780	16,970	16,780
Total Manufacturing	1,630	1,540	1,470	1,360	1,320	1,320
>Lumber & Wood Products	890	820	780	710	700	720
>Other Manufacturing	740	720	690	650	620	600
Total Non-Manufacturing	14,150	14,480	15,210	15,420	15,650	15,460
>Const. & Mining	700	770	780	760	710	700
>Trans., Comm. & Utilities	450	470	520	530	530	510
>Trade	5,050	5,040	5,170	5,280	5,170	5,140
>Finance, Ins. & Real Est.	930	870	850	820	790	780
>Services & Misc.	3,790	3,800	3,950	3,960	4,210	4,010
>Government	3,230	3,540	3,950	4,070	4,230	4,320

## Appendix 22: Resident Labor Force, Employment of Industry, Linn County

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	47,890	49,220	52,210	52,050	53,530	52,740
Unemployment	3,370	2,990	3,650	3,820	4,680	4,200
Total Wage and Salary Emp.	35,740	37,850	39,900	41,070	41,120	41,090
Total Manufacturing	10,620	11,200	11,740	12,190	11,690	11,190
>Lumber & Wood Products	5,010	4,910	5,020	5,110	4,920	4,730
>Other Manufacturing	5,610	6,290	6,720	7,080	6,770	6,460
Total Non-Manufacturing	25,120	26,650	28,170	28,890	29,430	29,900
>Const. & Mining	1,770	1,990	2,330	2,450	2,480	2,730
>Trans., Comm. & Utilities	1,620	1,660	1,730	1,790	1,960	2,150
>Trade	7,870	8,110	8,580	8,910	9,080	8,970
>Finance, Ins. & Real Est.	1,270	1,310	1,410	1,470	1,380	1,330
>Services & Misc.	6,710	7,450	7,780	7,880	7,970	8,040
>Government	5,870	6,140	6,340	6,390	6,560	6,670

### Appendix 23: Resident Labor Force, Employment by Industry, Tillamook County

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	10,830	10,900	11,420	11,120	11,210	11,280
Unemployment	520	540	680	730	680	590
Total Wage and Salary Emp.	7,070	7,250	7,620	7,570	7,660	7,980
Total Manufacturing	1,320	1,310	1,350	1,340	1,370	1,420
>Lumber & Wood Products	560	540	540	520	540	560
>Other Manufacturing	760	770	810	820	830	860
Total Non-Manufacturing	5,750	5,940	6,270	6,230	6,300	6,560
>Const. & Mining	220	250	260	270	310	310
>Trans., Comm. & Utilities	270	280	280	270	260	280
>Trade	1,800	1,810	1,980	1,950	1,930	1,910
>Finance, Ins. & Real Est.	310	320	330	370	350	330
>Services & Misc.	1,530	1,680	1,780	1,700	1,720	1,950
>Government	1,620	1,600	1,640	1,690	1,730	1,780

**Appendix 24: Resident Labor Force, Employment by Industry, Salem Metropolitan Statistical Area**

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	158,600	158,700	164,500	164,200	169,000	168,100
Unemployment	8,400	7,300	9,400	9,600	9,300	10,300
Total Wage and Salary Inc.	120,800	124,500	128,400	131,400	134,400	135,800
Total Manufacturing	17,300	17,800	17,900	17,900	18,300	17,700
>Lumber & Wood Products	4,100	4,200	4,000	4,000	4,400	4,300
>Other Manufacturing	13,200	13,600	13,900	13,900	13,900	13,400
Total Non-Manufacturing	103,500	106,800	110,600	113,500	116,100	118,100
>Const. & Mining	6,000	6,500	7,100	7,800	7,800	7,900
>Trans., Comm. & Utilities	3,500	3,500	3,600	3,600	3,900	4,000
>Trade	26,400	27,400	27,600	27,800	28,400	28,600
>Finance, Ins. & Real Est.	6,700	6,500	6,500	6,600	6,800	6,900
>Services & Misc.	27,700	29,000	30,100	31,000	31,800	32,300
>Government	33,200	33,900	35,700	36,700	37,500	38,600

## Appendix 25: Resident Labor Force, Employment by Industry, Portland Primary Metropolitan Statistical Area

(Clackamas, Multnomah, Washington and Yamhill Counties, Oregon, and Clark County, WA)

	1994	1995	1996	1997	1998	1999
Civilian Labor Force	936,500	956,500	1,001,900	1,024,800	1,046,900	1,047,200
Unemployment	40,300	35,500	45,400	44,000	44,800	47,100
Total Wage and Salary Emp.	802,100	839,600	879,000	916,700	932,900	945,800
Total Manufacturing	129,900	137,200	142,000	147,300	149,200	145,100
>Lumber & Wood Products	16,400	16,400	15,900	15,800	15,700	15,100
>Other Manufacturing	113,500	120,800	126,100	131,500	133,500	130,000
Total Non-Manufacturing	672,200	702,400	737,000	769,400	783,700	800,700
>Const. & Mining	40,500	45,400	52,100	55,100	54,400	53,400
>Trans., Comm. & Utilities	45,600	48,400	50,800	52,400	53,900	55,100
>Trade	203,600	210,800	218,300	227,700	231,300	234,700
>Finance, Ins. & Real Est.	61,500	60,200	63,600	66,700	67,100	66,600
>Services & Misc.	213,000	227,500	238,600	252,500	259,300	268,200
>Government	108,100	110,100	113,600	114,800	117,800	122,700

